

Claims

1. Phospholipid gel comprised of a neutral and a negatively charged phospholipid and water.
2. Phospholipid gel according to claim 1, wherein the two phospholipid components are either of natural origin, semi-synthetic origin, or synthetic origin.
3. Phospholipid gel according to claim 1 or 2, wherein the two phospholipids are selected from di(C₈-C₂₂ acyl) phosphatidyl choline, preferably dipalmitoyl phosphatidyl choline, and di(C₈-C₂₂ acyl) phosphatidyl glycerol, preferably dipalmitoyl phosphatidyl choline.
4. Phospholipid gel according to one of the claims 1 to 3, wherein the total phospholipid concentration is within a range of 6-40 % by weight.
5. Phospholipid gel according to one of the claims 1 to 4, wherein the ratio of phosphatidyl choline to phosphatidyl glycerol is within the range of 10:1 to 10:0.25.
6. Phospholipid gel according to one of the claims 1 to 4 containing a pharmacologically active substance.
7. Phospholipid gel according to claim 6, wherein the active substance is a steroid, a non-steroidal antiphlogistic agent, an antibiotic, and antioxidant, or an antiepileptic agent.
- 20 8. Phospholipid gel according to claim 7, wherein the steroid is selected from the group comprised of cholesterol, hydrocortisone, or dexamethasone; the non-steroidal antiphlogistic agent can be selected from the group comprised of ibuprofen, diclofenac, flurbiprofen or

nabumetone; the antibiotic can be selected from the group comprised of tetracycline or one of its derivatives, an aminoglycoside, for example, gentamycine or neomycine, a macrolid antibiotic, for example, erythromycine, a nitroimidazole derivative, such as metronidazole or flucidic acid, an antibiotic peptide or an antibiotic oligonucleotide; the antioxidant can be selected from the group comprised of vitamin E or coenzyme Q₁₀; the antiepileptic agent can be selected from the group comprised of valproic acid and its salts.

- 5 9. Phospholipid gel according to one of the claims 1 to 8, produced by any useful manufacturing technique, inclusive of shaking, vortexing, mixing by a stirrer, extrusion, and homogenization.
- 10 10. Use of the phospholipid gel according to one of the claims 1 to 9 as a moisturizing or calming substance on normal or diseased skin or mucous membrane.
- 15 11. Use of the phospholipid gel according to one of the claims 1 to 9 as a carrier for medicaments or cosmetic substances for use on the skin, mucous membrane, in natural or surgically generated body cavities or body compartments accessible by local or parenteral application.
- 20 12. Use of the phospholipid gel according to one of the claims 1 to 9 as a stabilizer added to a solution for solubilizing hardly soluble substances and/or for preventing precipitation.